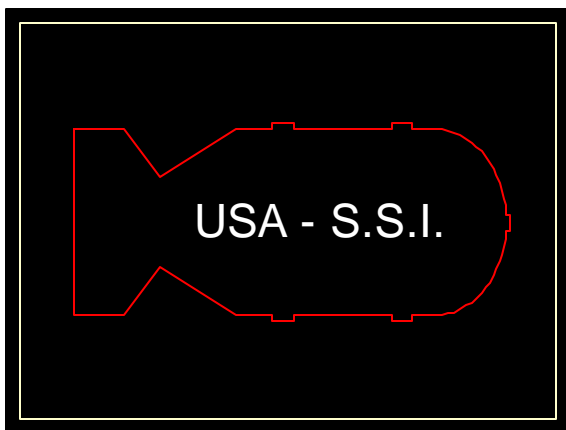


## REACT TO UNEXPLODED ORDNANCE (UXO) HAZARDS

- Recognize UXO Hazards
- Take Immediate Action Based on confirmation of a UXO
- Report UXO Hazard



## RECOGNIZE UXO HAZARDS

- Identify the general safety precautions associated with UXO
- Identify UXO by the type and subgroup



## IDENTIFY THE GENERAL SAFETY PRECAUTIONS ASSOCIATED WITH UXO

- Never approach a suspect UXO.
- Never transmit near a UXO.
- Never attempt to remove any part of a UXO.
- Never attempt to disturb a UXO.
- Avoid the area where a UXO is located.
- Mark the UXO hazard area properly.



## IDENTIFY UXO BY TYPE AND SUBGROUP

- Type- Dropped Ordnance
- Subgroup - Bombs
  - Sub-munitions (Dispenser)
- General Purpose (GP) bombs are similar in construction.
- 50% of the weight is explosive filler.
- Magnetic/seismic, delay or anti-disturbance fuze.
- All Soviet bombs, regardless of type are suspected of containing a toxic agent as a backup.



## IDENTIFY UXO BY TYPE AND SUBGROUP

- Type- Projected Ordnance
- Subgroup-
  - Mortars
  - Rockets
  - Guided Missiles
  - Rifle Grenade
- Fired from some type of launcher or gun tube.
- Time delay, impact or proximity fuzing.
- Stabilized by spin and or fin.



## IDENTIFY UXO BY TYPE AND SUBGROUP CONTINUED

- Type- Thrown Ordnance
- Subgroup - Grenades
  - (Fragmentation, Offensive, Anti-Tank [AT], Smoke, Illumination)
- All grenades found should be considered to be booby-trapped.
- Consists of a body, a fuze with a pull ring, a safety clip assembly, and a filler.



## IDENTIFY UXO BY TYPE AND SUBGROUP CONTINUED

- Type- Placed Ordnance
- Subgroup- Mines
  - (Anti-Tank, Anti-Personnel, Chemical)
- All mines should be considered to be booby-trapped.
- Fuzed with magnetic or seismic detonators. Observation should be done at the greatest distance possible using binoculars.
- May be pressure or tilt rod activated.



## RECOGNIZE UXO HAZARDS

- Identify the general safety precautions associated with UXO
- Identify UXO by the type and subgroup



## TAKE IMMEDIATE ACTION BASED ON CONFIRMATION OF A UXO

- Identify the procedures used to mark a UXO.
- Identify and determine which protective measures (evacuate, isolate, barricade) are required to protect personnel and equipment from UXO hazards.

## IDENTIFY THE PROCEDURES USED TO MARK A UXO

- Marking a UXO hazard is just as important as marking other hazard areas such as NBC areas.
- A UXO will be marked with a triangular sign. The background will be red with a white bomb.



## IDENTIFY THE PROCEDURES USED TO MARK A UXO CONT.

- The UXO marker will be placed above ground at waist level (about 3 ft) with the bomb pointing down. It should be attached to a stake.



## IDENTIFY THE PROCEDURES USED TO MARK A UXO CONT.

- Mark all logical approach routes to the area.
- As a general rule, the UXO hazard itself must be easily seen from any of the markers.
- If standard UXO markers are not available you may use other suitable material such as engineer tape or colored ribbons. Ensure the same color is used to avoid confusion.

## ID & DETERMINE WHICH PROTECTIVE MEASURES ARE REQUIRED TO PROTECT PERSONNEL AND EQUIPMENT FROM A UXO HAZARD

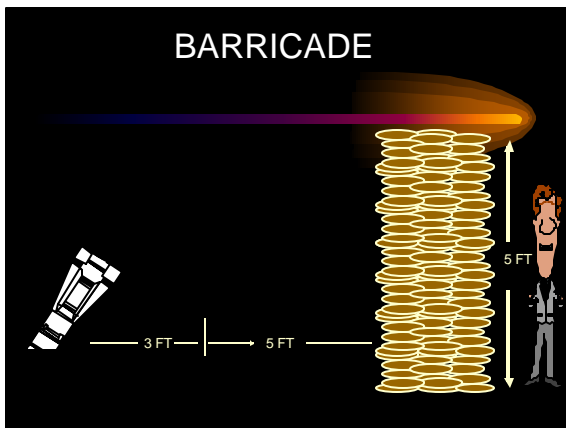
- **Evacuate** the area around the UXO item immediately upon its discovery.
- Block off danger areas and keep unauthorized and unneeded personnel out of the area.
- Stop and reroute traffic to avoid vibration.
- Open doors and windows within the danger area.
- Evacuate important supplies and equipment.

## ID & DETERMINE WHICH PROTECTIVE MEASURES ARE REQUIRED TO PROTECT PERSONNEL AND EQUIPMENT FROM A UXO HAZARD

- **Isolate** - sometimes mission does not allow personnel or equipment to be evacuated from the area.
- Isolate either your asset from the UXO or the UXO from your asset.

## ID & DETERMINE WHICH PROTECTIVE MEASURES ARE REQUIRED TO PROTECT PERSONNEL AND EQUIPMENT FROM A UXO HAZARD

- **Barricade** - is an artificial barrier that provides limited protection by channeling the blast and fragmentation from the threatened area.
- Used to lessen the effect of the blast and reduce the size of the evacuation area.
- Building a barricade is time consuming and requires a lot of sandbags.
- 3 types - circular, semicircular, and wall.



## TAKE IMMEDIATE ACTION BASED ON CONFIRMATION OF A UXO

- Identify the procedures used to mark a UXO.
- Identify and determine which protective measures (**evacuate**, **isolate**, **barricade**) are required to protect personnel and equipment from UXO hazards.

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## REPORT UXO HAZARD

- Identify the content of the **UXO Spot Report**.
- Procedures to report a UXO hazard.

LINE 1	DATE-TIME GROUP: ITEM IMPACTED OR WAS DISCOVERED
LINE 2	REPORTING ACTIVITY: UIC, AND GRID COORDINATES OF UXO
LINE 3	CONTACT METHOD: RADIO FREQ, CALL SIGN, POC & PHONE NUMBER
LINE 4	TYPE OF UXO: DROPPED, PROJECTED, PLACED OR THORWN. SUBGROUP. NUMBER OF ITEMS
LINE 5	NBC CONTAMINATION. BE SPECIFIC IF NONE STATE
LINE 6	RESOURCES THREATENED: EQUIPMENT, FACILITIES OR OTHER ASSETS
LINE 7	IMPACT ON MISSION: SHORT DESCRIPTION OF YOUR TACTICAL SITUATION AND HOW UXO AFFECTS YOU
LINE 8	PROTECTIVE MEASURES: DESCRIBE ANY MEASURES TAKEN TO PROTECT PERSONNEL AND EQUIPMENT
LINE 9	BASIS
IMMEDIATE	STOPS MANEUVER AND MISSION OR THREATENS CRITICAL ASSETS
INDIRECT	SLOWS MANEUVER AND MISSION, OR THREATENS CRITICAL ASSETS
MINOR	REDUCES MANEUVER /MISSION OR THREAT NON-CRITICAL ASSETS
NO THREAT	HAS LITTLE OR NO AFFECT ON THE UNIT'S CAPABILITIES OR ASSETS

## PROCEDURES TO REPORT A UXO HAZARD

- UXO Spot Report is the first-echelon report that is sent when a UXO is encountered. It is forwarded through the chain of command.
- A higher-level command may down grade the priority based on the current tactical situation.
- Based on mission, enemy, terrain, troops, time available and civilians - EOD or engineer teams are dispatched to respond to the hazard.

## REPORT UXO HAZARD

- Identify the content of the UXO Spot Report.
- Procedures to report a UXO hazard.

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## REACT TO UNEXPLODED ORDNANCE (UXO) HAZARDS

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## REACT TO UNEXPLODED ORDNANCE (UXO) HAZARDS

